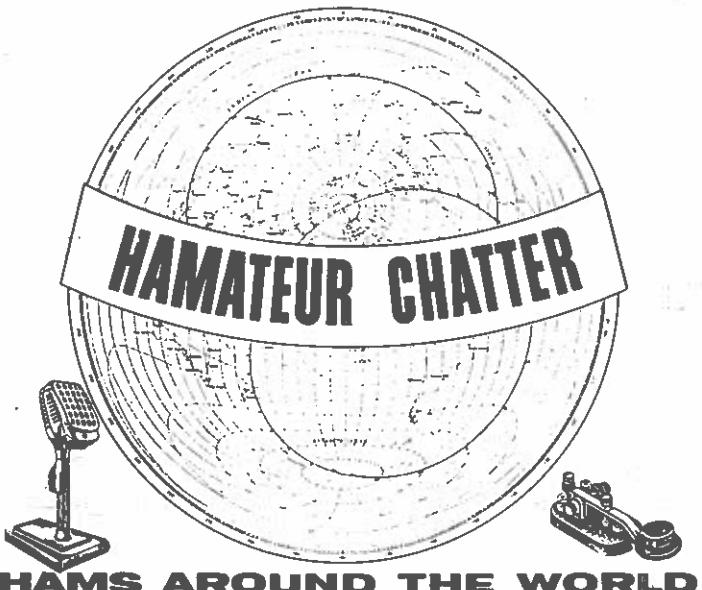


The Milwaukee Radio Amateurs' Club, Inc.

The World's Oldest Continuously Active Radio Amateur Club



HAMS AROUND THE WORLD

Meetings on the second Thursday of the month at MSOE, 1020 No.

PRESIDENT'S NEWS AND VIEWS

The Old Timer's Night brings to mind many o f the wonderful friends that I have made over the years thru my hobby, Amateur Radio. This has been even more rewarding than the actual hobby itself. In a few years, I am going to have to retire from the job, only because of policy, but not f r o m radio. I can go on with that forever as long as I can talk (or pound the key...ed) and get to the rig. Just listen in on any of the bands and you will hear o l d friends of long standing talking with each other. Geo. Ruger is an old timer, but something happened t h a t he did not keep his license active. He now is starting all over again with a new call of WN9EHA. I would think it would be much harder to catch up than to k e e p active, so I congratulate you, George, and welcome y o u back into the clan.

Somewhere in this paper will be a letter from Irv, W9GQO. Thanks Irv, but all the credit goes to a guy that volunteered to try it at a club meeting. Chet, W9CTI has done more than a wonderful job. I think he missed his calling o n his regular job, but in doing so, he makes our lives a little bit brighter by digging for news and telling it to us. All of you can help Chet, if you would only sit down and write a letter as Irv has done, even if it is only to say "thanks."

Our February meeting will be on the testing of diodes with a scope by Milt, W9BTQ and the testing of unknown transistors from an article in CQ Magazine. The March meeting will be the tuning of FM gear with the minimum of test equipment. As I am going to ask Jack, W9ATK to do this, probably this announcement will be the first time he will hear about it--"Hi! Jack"--but I am sure he will do it.

The time i s coming soon when we will have t o select new officers. Would you like to try for an office? Tell the nominating committee and let them campaign for you. The nominating committee will be selected in March. See you at our regular meeting. 73

Dick, W9ZPV

HAMATEUR CHATTER STAFF

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Russ Burlingame, WN9ECP Layout & Ass't Editor

Bob Price, WA9JLU Circulation
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M.R.A.C. OFFICERS

President	Dick Oberholtzer	W9ZPV	782-9158
1st V. Pres.	Jim Ott	W9LCD	425-2358
2nd V. Pres.	Ray Weeks	WA9JOV	964-1996
Treasurer	Charles Dawson	W9CUW	352-9258
Secretary	Walt Glish	W9YYW	453-6693

Board Members: Travis Baird, W9VQD (Chairman); Jack McLeland, WA9ATK; Emmett Koeble, K9DD; John Hopwood, W9KYT; Lloyd Wantland, WA9JKD; Harold Engelke, K9CMX; Chester Sakura, W9CTI.

Broadway, 7:30 p.m. -- Everybody Welcome!

CARL STANFIELD, W9JPK ANTIQUE RADIO DEALER

In the olden days, when you wanted to get a special part for a home - brew project (what other kinds were there!), you went down by Schuster's on 3rd Street about three blocks south. There Stanfield's Radio Studios has been located to these many years, through depression and recent riots. Carl's original profession was photography but he branched into radio repair before the 30's. He didn't start radio as a youngster, as many of us did, but made up for lost time in ham circles. He even had ATV in 1928 complete with scan disc and later made DX records with a home-brew 100 watt 2-meter xmitter. In recent years he hasn't been on the air much, altho he has a Swan 350 still in the original carton under t he counter (whadda shame!). Perhaps an expedition should be sent to help get it on the air.

Perhaps Stanfield's is unique as a collector of Antique radios and equipment. Many old timer's would be interested in seeing his collection of familiar old names. There are several granddaddy Atwater Kents, a Grebe Synchrophase, Amrad Model S, Globe Duo-Dyne, Freed-Eisman radio sets. Oh yes, he has two Radiola Portables using W111's and UV 199's complete with loop antenna and battery compartment. Some Battery portable TV's are less than one-fourth that size! Nestled among the antiques is the goodies-of-goodies to the early ham, the National SW3--the great-granddaddy of our present appliance operation.

Of course he has a Deforest audion tube and a Meyers tube that looks like a 100-amp fuse. And who hasn't drooled over the Baldy phones with the mica diaphragm but had to settle for the popular Brandes--he has 'em both. And speakers galore! You need a Morning Glory horn, or a 3-foot paper cone or a newer electro-dynamic (first Hi-Fi) speaker, or the latest in A&B Eliminator? Well, go down by Stanfield's! Yes, a visit with Carl is a live visit to the past.

NOVICES: Enter Novice Roundup Feb. 6-20. Report results to Hama' Chatter. See Jan. QST.

FEBRUARY 1971 NUMBER TWENTY-TWO



QUARTER CENTURY WIRELESS ASSOCIATION

In recent weeks there has been efforts to form a QCWA chapter in Wisconsin. This editor has hinted several times in these columns but not until Sid Pokorny, W9NRP took the initiative to contact members has there been any concrete activity. Sid sent cards to inform those interested that a net was being formed so that at the first meeting Jan. 3rd, ten members and prospects checked in. Since then, meetings have been held every Sunday with good attendance. All QCWA members and those eligible are invited to check in, as a program is being formulated to organize a local chapter. All members are urged to sponsor eligible hams. Application blanks are available from the editor. Check in Sundays at 9:00 AM on freq between 3985 to 3990 KHz on the (prospective) QCWA Net.

ANNOUNCING PHOTO ISSUE

Sometime in the near future, possibly next spring, Hama' Chatter will run a special Picture Page Edition. The YTAR "SMOKE SIGNALS" runs many fine pictures in their paper and gave the editor some ideas in this direction. Start digging around for pictures of interest--your shack, your rig, sky-hooks, your buddies and YL's, FD set-ups, etc. We'll print pictures of other clubs too, so send in pix of your officers, club meetings or anything--we'll censor them on this end, hi! The pictures should be 4 x 5 or larger with good contrast. Pictures will be returned if a SASE envelope is included. They might be a little sticky on the back though. Also you cartoonists send in your works of art.

MSOE STUDENTS IN N.S.F. PROJECT

Eight students from the Milwaukee School of Engineering are engaged in a project sponsored by the National Science Foundation, Student-Originated Studies Department. Kim, WB9AUE, was elected Project Chairman and Bob, WA9FBO, is the Assistant Chairman. The project involves the design and construction of an emergency vehicle warning system which would allow the driver of a police car, fire truck, or ambulance to control the lights of a traffic intersection remotely and warn or be warned of other such vehicles in the vicinity to avoid a collision at an intersection. The purpose behind the system is to provide more safety to motorists and emergency vehicle drivers when an emergency occurs. The system will involve microwave solid-state transmitters and receivers with good short-range reliability and a suitable audio-visual signalling system. Work on the project has begun in the form of unit design and cost computing, and the actual construction will take place during the summer at the MSOE laboratories. Extensive testing will be done to insure longterm reliability, smallest size, low power consumption, and lowest cost. The project advisor is Mr. Robert Garnier, Ass't Professor, E. E. Department at MSOE. Upon completion of the project, the Project Chairman and Assistant Chairman will be presented in Philadelphia to display the results of the study. The project is currently under study by the NSF.

Bob...WA9FBO

OLD TIMER'S NIGHT

This year the good Lord provided the mildest weather in many years for the OT's meetings at the Pabst Rathskeller. This is notwithstanding the prediction on the meeting notice by Sec. Walt W9YYW. He even admits being glad he was wrong!! With the total count of over 110, there were 46 on the over-25-year roster. Everyone had a fine time of fellowship including the dozen or so XYLs. Special guests were SCM Sid Pokorny, W9NRP w/XYL and Division Director Phil Haller, W9HPG from Chicago. Phil relates, "I have always had a soft spot for the Milwaukee Club and have joined with you in many activities. In the '30's, the QSO Parties were quite memorable!" For the first time Clarence Crapo, W9VD was not present at the OT's Night. All the old guard joined in to sign a card saying "Get well soon Clarence, we missed you!" Each OT's Night is a short look back into the past and we all enjoy it; that is, at least us OT's. Hi!

CHATTER CHATTER

Kim WB9AUE and Bob WA9FBO attended the National Electronics Conference in Chicago, Dec. 8th. Two busloads went from MSOE.

Lee Mushel K9WRU edits the Wisconsin Geological Journal. This takes most of his hamming time, he sez. (Don't I know!...ed)

A FB letter was received from Fred Riedel, WAØWWI in Coquet, Minn. He enclosed a \$5 spot "to apply towards mailing and publication costs of the Hama' Chatter I've been receiving. I want to be sure to get your FB bulletin regularly." Fred's a displaced Milwaukeean and keeps in contact here with Sus, WB9BGJ and Ray, WA9JOV who has phone-patched to his mother. With that amount of money, we're going to make him a member of MRAC and send him the Hama' Chatter FREE!

Sus, WB9BGJ and XYL Grace took son Dennis back to the Charleston, N.C. Navy base and had eye-ball visits with Roman, K4ACP and Jeannie, K4RHU who has been phone-patching Dennis. They visited several hams on the way down to Florida, all YL Side-banders.

Ted W9NHE and Faus WA9GDA both lost their tower in the big wind.

One his recent junket, Travis, W9VQD and family went "down under" and hit a kangaroo.

Chet, W9CTI made several firsts this year: 1st time on SSB phone, (never on AM); 1st time on 160-meters; 1st time on 2-meter. Catching up with ham-work after 37 years.

Mark Miller, WN9EMV claims to be the youngest ham in MRAC by one month. He is in need of a better receiver and wants to sell or trade his SX 40, which is FB for a beginner. And being rock-bound, he would like to "borrow" some crystals until he gets his general. He entered his photo to Pop Electronics but it has discontinued the Ham Column so it was published in the Communications Annual. Anybody have a good receiver for about \$100 for an up-and-coming Ham?

SUNSHINE CORNER

Clarence Crapo, W9VD is in nursing home again. He's at Mequon Care Center, 10911 N. Port Washington Road. Drop him a card.

Roy, K4HGJ is home from the hospital after an operation.

Larry, K9AUD is recovering nicely from his recent operation and illness. On a recent Saturday visitors came and had a mini, mini YL SSB net-fest with K9KXA and WA9MGK from Chicago, W7AS from Washington and WB9BGJ and WA9HNR locally.

10TH ANNUAL VALENTINE PARTY - FEB. 20TH

Our regular readers received a notice for this annual event so this item is directed to others. All hams, XYLs and friends are invited Feb. 20th to attend at Moser's, 3140 W. Lisbon. (Minors permitted accompanied by adults.) Price per person is \$5 and early reservations (Feb. 15th) will be eligible for "Early Bird Goodies!!" Things start at 6 with the social hour and an excellent buffet at 7 to dancing till 1 Bowling also available. Mail checks to Russ Burss, W9RKP, 6285 So. Bass Dr., New Berlin, Wisconsin. 53151

LETTER COLUMN

I have just received my copy of Hamateur Chatter and would like to commend the staff for a n excellent job. For those of us who are unable to attend MRAC meetings, Hamateur Chatter provides us with information relative to club members and club activity.

My non-attendance at club meetings is due to the fact that I teach at MSOE Tuesday and Thursday evenings and therefore cannot be with you. For the same reason, I shall be unable to sign the attendance roster at the Old Timer's party. At the party, please wish the OT's Seasons Greetings and 73 for me. I am mildly active on 20 es 40 SSB running a SR-160 barefoot (150 watts). Best wishes for a good club year in 1971. 73,

E. James Irving, W9GQO

(You are cordially invited to our "second meeting place" held after the regular meeting at Elsie and George's, corner of 23rd and State. See June 1970 issue.)

SILENT KEY

Milwaukee friends were saddened to hear of the death of Bob Boyle, W9NPT of Appleton, in an auto accident Jan. 27th in the northwest part of the state. He was well known in the Telephone Company circle here.

HAMATEUR CHATTER STAFF

Our readers should know the personnel and work that enters into getting this bi-monthly paper into their hands. It entails much more work than just editing the material gathered. Credit goes to the following:

To Amateur Electronics and especially Ted, W9NHE, manager of Instant Offset Printing, for the excellent printing job and at a reduced rate for MRAC.

To Russ, W9ECP for doing all the final layout of the typed material.

To Bob, WA9JLU for keeping the mailing list up to date and addressing the envelopes (and meeting notice cards, too).

To Sue, WB9BGJ and XYL Grace for stuffing and arranging the envelopes in ZIP order, over 300 pieces.

To Wally, W9YYW for delivering the 3rd Class mail to the Post office according to P.O. regulations. (Ask Wally how many times he made a second trip to the main P.O. because a minute regulation was overlooked!)

To Judy Weigel for the final typing of all the articles to specifications (she gets a fee for this).

And also to all those who send in news, reports and club papers.

And, to be a little trite, last but not least, to my right-hand man XYL Aggie, who patiently bears with the operation, and on request does many errands and corrects the editor's spelling. TNX all of Ye!

Ye Editor

EDITOR'S CORNER



N e t operations have been mentioned several times in these columns and bear repetition. A FE summary of Wisconsin nets was written up by Sherm Carr, W9NGT in the Feb. 1970 issue (a few copies still available). Sherm has a few words to those complaining about the nets tying up a frequency. That is: If all those on the nets were to go on individual frequencies, the bands would be glutted mess!

Those consistently on the air eventually get involved in one or more nets. No doubt most nets have an emergency purpose even though held weekly. Probably the most active daily nets are the MID-CARS on 7258 KHz (with ECARS and WCARS on 7255 KHz) and the International YL Net on 14332 KHz. Several local hams actively participate on these nets. The weekly nets become almost a social gathering but do serve a purpose. (Talk about social nets, the Nutty Nuts Net on 21,360 KHz nightly at 9:00 PM and the Geritol Net on 6-meters at 9:00 AM daily are good (or bad) examples, hi!) Ozaukee on 3940 KHz at 1300 Sundays and Lakeshore Emergency net on 29.5 MHz at 1930 on Mondays are examples and invite your check-in. The AREC 146.67 MHz hold Monday meetings at 2100 but is unusual in that this frequency is continually monitored by many ops. A new net of interest to the OT's is the proposed QCWA net temporarily set for Sundays at 0900 near 3990 KHz. The more dedicated nets of course are the CW and fone traffic nets (see Skeds Feb. 1970 issue). They invite your participation to help keep up the public image. So we'll CUL on some net.

Chet, W9CTI

CONSTRUCTION CORNER



Travis, W9VQD is putting together a Motrac kit. Jack, W9ATK has a 2-meter transceiver on the air that has no tubes or relay.

Ted, W9NHE and Ray, K9KHW are building KW finals for 2-meter scatter rigs. Ted has his tower up at his new QTH.

HOW IT ALL BEGAN....K9CAN

Ever since Dick was a crawler, Dad W9GIL and the late Jack Doyle were constantly pulling him out of power supplies. Having such a surrounding, one would think Dick would be indoctrinated into Ham Radio at a very early age. Of course, dear old Dad put everything possible in his way to encourage his getting the bug but it was not until he was about 13 years old that it finally took. It seems that Dad was coaching a neighbor kid down the block and it became a little competitive with Dick. It wasn't long before he was hitting the books, practicing code and was soon ready for the Novice test. Dick relates that he called Jack to tell him he was ready for the technical exam and Jack told him to "hold the phone." Dick was still holding the phone when Jack pulled up in the yard with the form and gave him the test then and there so he beat his friend by one month. Six months later he passed the General. At the insistence of Dad, he built his first rig consisting of 6AG7 Xtal 6V6 final xmitter and a 1-tube super-regen receiver. The super-blooper receiver was replaced very early because it QRM'd W9GIL's DXing, hi! Now Dick is active on all bands, VHF, UHF, repeaters and DXing a la Dad. He is primarily a CW man and the editor asked how he ran up such a good score in SS contest. He said he was ambidextrous, say again, ambidextrous and writes his log with his left hand while calling CQ with the other!

SHORT SKIP FROM OTHER CLUBS AND ORGANIZATIONS

SMOKE SIGNALS

BARABOO

Dec. issue of S.S. was sure a FB copy. Its Christmas cover had a Ham's Version of "Night Before Christmas," which was actually written by Pres. Harv, K9HYO on a Christmas Eve sitting before his rig. The photos were very professionally arranged by Ray Snider, W9MNG and the art work was by Allan Johnson, WN9FMY and Jerry Nims.

New officers for 1971 are:

President	Ken Ebner	K9GSC
Vice-Pres	Mike Swanson	WN9ECM
Secretary	Jim Romelfanger	K9PKQ
Treasurer	Don Evenson	K9JYX

A second Novice class is planned for January and all are urged to encourage non-hams to attend. With so much said about the lack of home-brewing, it seems that the YTARbers haven't got the message yet because of all the home-brewed gear among the club members! The first years' "operations" left a balance of \$102.25. New calls: Bob Anderson WN9FTZ and Mark Ranum WN9FSK (frequency shift keying, already?). K9JYX moved at the meeting that the Club command Jim K9PKQ for his work as Secretary and Editor during the year. (second the motion...ed) Jim would like to exchange club papers Jim Romelfanger, K9PKQ

FEEDBACK OZAUKEE

By the time this issue is out, the Post-Christmas, Post-New Year, Pre-Valentine club bash will be held and over with. This annual affair is usually held following the SET exercises. Hal W9EXX has been dealing with Rich WA9TZU to use his swimming pool on off seasons--for a wine vat! WA9YBM is currently QRL chasing Northern Signal gals, to get on the air much. Discover a hobby something better than ham radio, Jeff? Just in K9UKH TRYING TO MAKE UP WITH A PIN (clue me in...ed). Danny WA9RPB is working harder than ever on his TV camera. Since he copied Chicago on 432 MHz, he is really looking a 34 meter. Hal W9RXJ is on 160 SSB with a HB Transverter.

SS results: W9RXJ fone 29,580; W9NXJ fone 6,474 and CW 78,384; K8MMZ/9 CW 1,512; W9CTI fone 1,152 and CW 6,688. How about more participation for the club next time.

Ed Bach WA9BMA

BEAR TRACKS from BEAR FACTS

The Winter Party was finalized one balmy December evening and will be only for Papa Bears. It will be (or was) held again at the Westward Ho Inn on Jan. 22nd. The modified program is as follows:

Warm up in Bull Pen 6 to 7 (raising of right or left elbow)
Business Meeting 7 to 7:01 (called in time to adjourn) (FLASH! 23½ seconds)
Dinner 7:01 to 7:45 (approximately)
Guest Speaker 7:45 to ??? (as long as he wishes, ugh!)

Post Mortems ??? to ??? (ETC, etc. --- ...)
A friendly transistor tip--if you detect an odor like rotten eggs emanating from a selenium rectifier, DON'T sniff at it, just replace it RIGHT AWAY. (without testing for shorts?..ed) The fumes from a shorted selenium rectifier can cause irreparable body damage if inhaled. Megacycle Mac still plinking and plunking and dripping on his leaky homebrew rig.

Glenn Mattes, K9QHS

W9HHX MSOE

MSOE will hold their OPEN HOUSE on Saturday, April 3rd. There will be numerous exhibits in every department from chemistry thru electronics to physics. W9HHX will operate remote from the lobby in Allen-Bradley Hall of Science, 435 East Kilbourne. Rick, WB9EBL (of the Woulf Hong fame) is conducting a code and basic theory class. Anybody can join in--for details call 272-8720, ext. 247 and ask for Dick. Our club engineer is trying to locate a 4CX10000A. The last one was put in the rig and he would like a spare. If you can help, give a call on ext. 289 and make a deal. Sec. Ted Carlson has started FD preparations. Three new novices have been launched--Gred Southard WN2RJO, Tom Giles WN9FSA, Gary Bruski WN9FSB.

Kenn Anderson, WA9VIG

AREC AND EMERGENCY NETS

Excerpts from a letter to Severe WX reporters from R. W. Harms, Dave and Sherm.

...I would like to thank you for your participation in the Wisconsin Severe Weather net during the past summer...I am again asking for your help in reporting certain weather conditions during the 1971 winter season. I hope that as many of you as possible will be able to participate...

R.W. Harms

As I have recently received a new assignment with the National Weather Service in Sioux Falls, South Dakota, I would like to thank all participants in the Severe Weather Nets during the past three years. Working with you has been a memorable part of my stay in Wisconsin and I only wish that I could have met more of you in person. I am sure that the Weather Nets will continue to grow in size and quality in the years to come.

D.C. Theophilus

...With the cabinets refinished and the printer routined it is literally a well-oiled machine. Thanks to Steve NØHLZ, Roy NØYGX, Damon NØAWE, Alex NØEEX, and Bob NØJFW for doing the work.... I must add my own thanks, appreciation and compliments to those of Mr. Harms and Dave. It is a real team effort, and very well done. It will be gratifying to all of you to know that systems in other states are emulating the example set by Wisconsin stations.

73, *Sherm*
SHERM W9NGT/N9ZAS
SEC WIS. SECTION

HAMTRIX WEST ALLIS

The annual Christmas Party Dec. 8th was well attended at the Fieldhouse. The Ladies Auxiliary prepared a FB spread of ham, beef, two kinds of potato salads, beans, jello, desserts PLUS pre-party punch bowl. Entertainment, door prizes, gifts to the YLs and XYLs all for two bucks made it Supercalifragilisticexpialidocious!! A long-nosed bird dropped a 7lb harmonic named Lisa Marie at the home of the John Zack's, K9IAC. Mother, daughter and proud father doing well! The last four issues had a FB article on an IC crystal calibrator, accurate to 1 KHz. The Novice code and theory class may be split into two classes. George K9ILV is looking for assists with the second class.

Lynn Tamblyn, WA9KRF